

Sealpro 151 & 151FC

Polyurethane Elastomer



TO SEAL & PROTECT

Technical Data Sheet

Description:

SEALPRO 151 & 151FC is a Single - component polyurethane elastomer. Classification SNJF elastomer 1er category. Primer omitted on anodised aluminium and mortar.

Applications:

- ▶ Expansion joints used in the building industry.
- ▶ Sealing joint for heavy frontage panels, curtain-walls, assembling of panels, exterior woodwork.
- ▶ Jointing between frames and preframes, between wood and stonewood.
- ▶ Adheres on most supports in the building industry: concrete, glass, anodised aluminium, wood...

Classification and guarantee:

(Complete copy of documents available on request)

Qualification certificate, classification SNJF, Packing seal and complementary sealant for construction. First category Elastomeric sealant. Primer omitted on anodized aluminum and concrete.

Use:

Respect SNJF professional laws concerning the suitability of the product for tightness of joints.

Preparation of surfaces:

Surfaces must be clean, dry and free of dust, grease or parting compound. Concrete surfaces must be dry and stable (at least 4 weeks). Users must check that the mastic is compatible with the surface in terms of adhesiveness, staining and chemical compatibility (test a section first). Correctly size the joint according to SNJF professional laws.

Making the joint:

If necessary, apply a thin layer of the P11 polyurethane primer on the surface. After the primer has dried, press a flexible non-adhesive joint filler on the mastic. The joint filler should be free of holes to ensure that bubbles do not form in the joint. For a better finish, use protection strips. For narrow joints, apply the mastic in one movement. For very wide joints, apply the mastic in three places: the first two on the edges of the joint and the third on the joint filler. Smooth out with soapy water. Press the mastic against the edges and the joint and the joint filler while taking care not to create air bubbles. Remove protection strips. Clean equipment with white spirit before drying. Polymerized mastic can be scraped off. SEALPRO 151 & 151FC may be painted after polymerization is complete. Use acrylic or vinyl dispersion paints after testing a section.

Characteristics:

Skin formation time (23°C 50% HR)		: 90 - 120'
Polymerised thickness after 24 hrs (23°C, 50% HR)		: 2,5 mm
Resistance to flow at 23°C	ISO 7390	: □□3 mm
Resistance to flow at 50°C	ISO 7390	: □□3 mm
Application temperature		: + 5°C □□T □□+ 40°C

On polymerised joint:

Hardness, Shore A	DIN 53 505	: 25
Modulus of elasticity (at 100%)	ISO 8339	: 0,25 MPa
Elongation at break	ISO 8339	: 250%
Elastic recovery	ISO 7389	: > 70%
Movement capability		: 25%
Service temperature		: - 20°C □□T □□+ 80°C

On-site manufacturing certified by ISO 9001.

Chemical resistance (for guidance):

water, cleaning agents, accidental spray with oils, hydrocarbons, and diluted acids and bases. Due to the sensitivity of polyurethane to UV rays, light shades change colour. This change in appearance does not modify their mechanical properties or leak tightness.

Safety:

Contains polyisocyanates. Avoid contact with skin. In case of contact with eyes, rinse immediately with water and consult a physician. Use only in well ventilated areas. Keep out of reach of children. Consult SEALPRO 151 & 151FC Safety Data Sheet.

Shelf-life - storage:

9 months from the manufacturing date, in its original unopened package away from humidity. Store in a properly ventilated room at a maximum temperature of 30°C.

